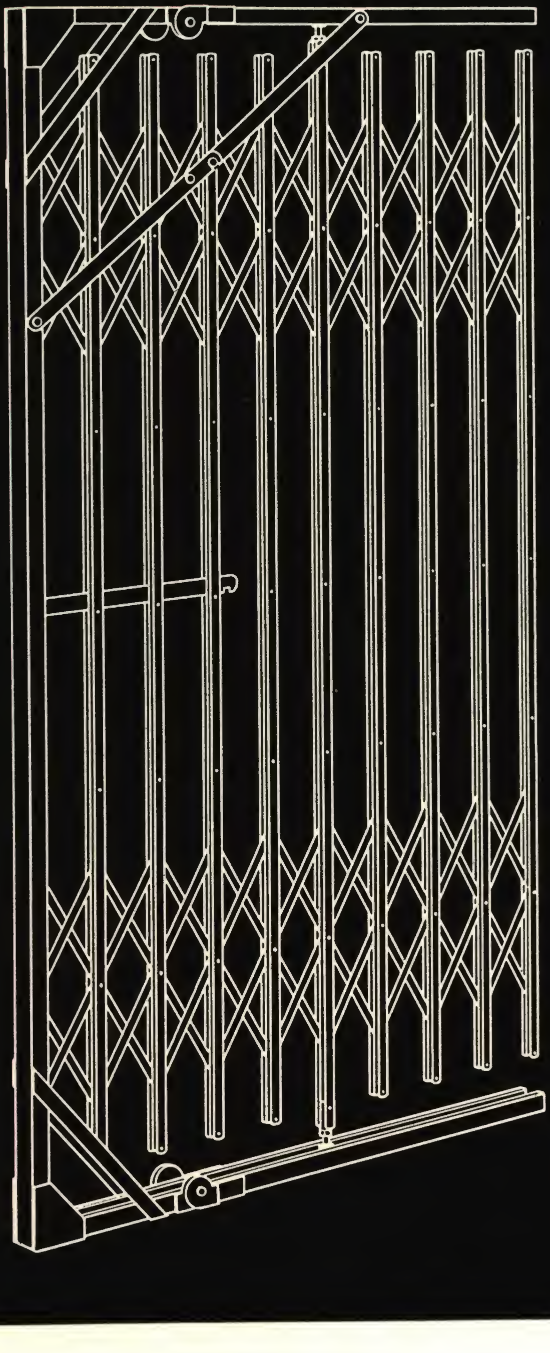
22f/Ac

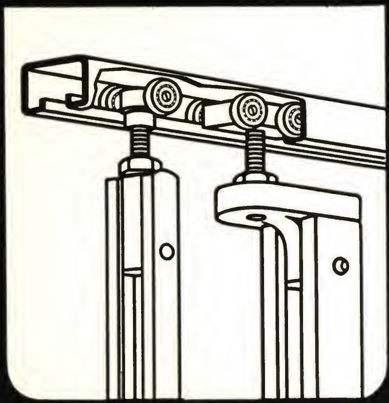
folding gates

Acorn Wire and Iron Works, Inc.
New York—Chicago—Los Angeles

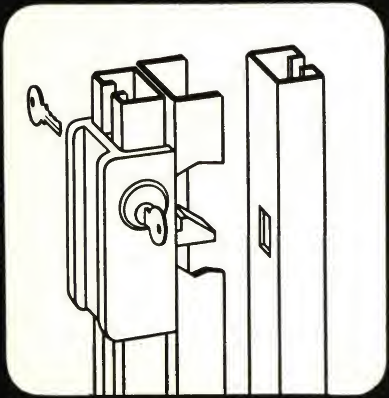
construction



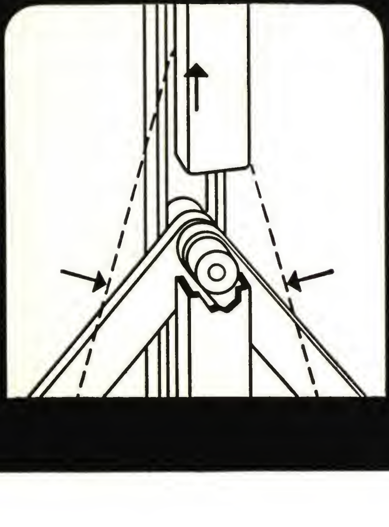
Adjustable ball bearing trucks in box type tracks for smooth operation—(4 wheel trucks on end bar—2 wheel trucks on intermediate).



Cylinder locks mortised into gate end bar. Keyed both sides. Yale mortise cylinders, or master-keyed to building system.



Machined roller bearings in all vertical channels assure ease of operation, proportionate spacing of lattice bars.



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folding gates

Acorn folding gates are designed for use as traffic control units in school corridors, institutions and commercial buildings. They are used as control units for driveways, loading platforms, and permit doors to be opened for ventilation without loss of security. Compact, easy to operate, they can be adapted to fit most conditions.

advantages

- strength
- security
- simplicity

surface mounted folding gates

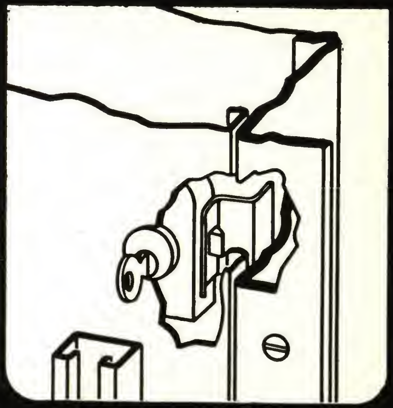
a

Bostwick, 5700 series, Lazy Tong, 5600 series, for use where recessed features are not required.

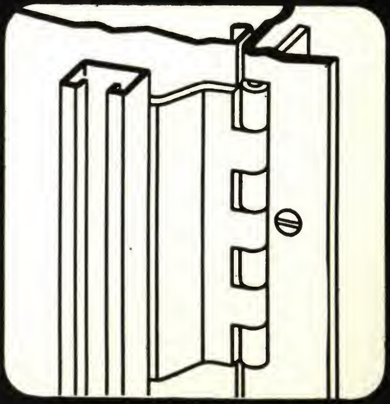
recessed folding gates

b

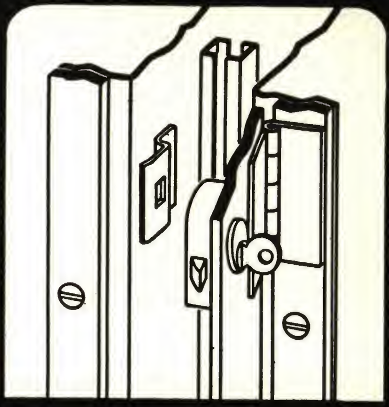
Bostwick, 5700 series, gates complete with flush, recessed wall cabinets and lock bars.



3/16″ cold rolled Z bar frame at sides and top of shallow cabinets for adequate strength. C section door edges prevent distortion.



8″ seven knuckle gate hinge, 3/16″ leaf, 7/16″ pin, mortised into Z bar frame. Offset hinge permits cabinet door to close with gate in either position.

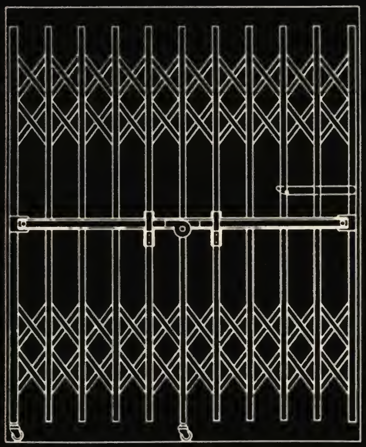


3/16″ thick cold rolled facia strip and door on deep type cabinets for adequate strength and better finished appearance.

a^{1}—Bostwick

no. 5750S, single, 12′ maximum width

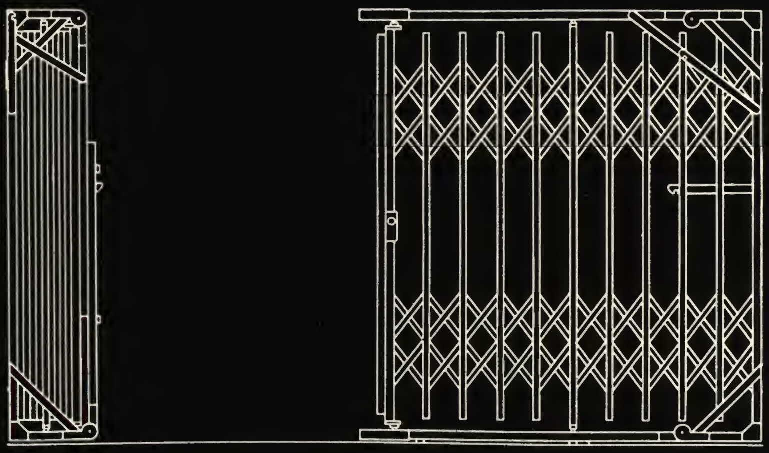
Jack-knife brace on gates over 4′ wide. Folding bottom track over 8′ wide. Hasp or cylinder lock.



no. 5743D, double, 15′ maximum width

no. 5743S, single, 14′ maximum width

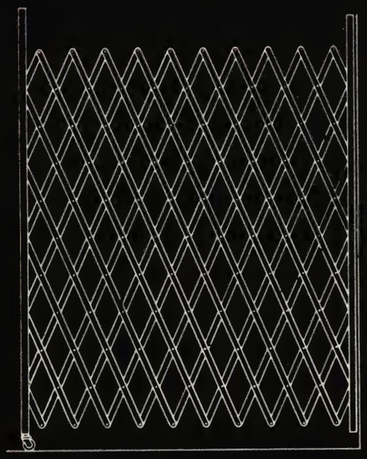
Hinged top and bottom tracks. Hasp or cylinder lock. Maximum height 7′-6″



a^{2}—Lazy Tong

no. 5654, single, 8′ maximum width

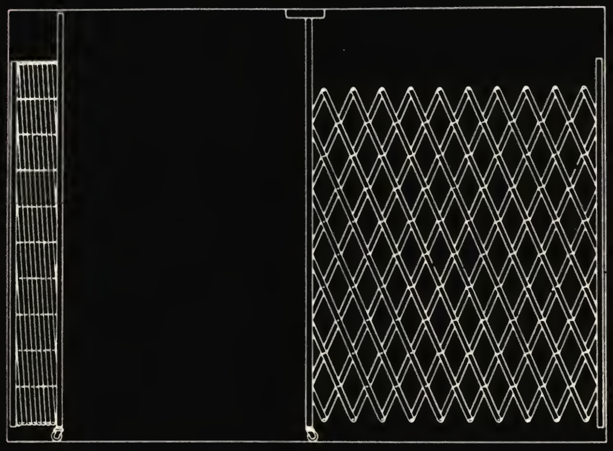
Gate hinged or fixed at side. May be used with hasp for padlock or cylinder lock.



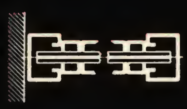
no. 5641, double, 16′ maximum width

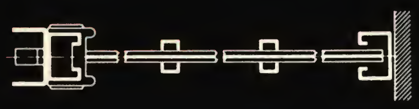
Gates hinged or fixed at sides. Center bar extends opening height.

Fixed top brace, locking floor bolt. Equipped with hasp for padlock or cylinder lock.



typical plans for gate placement





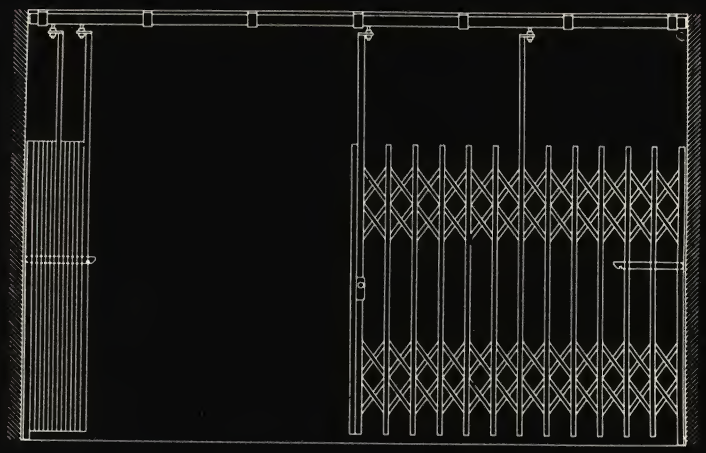
◀ **plan 2A** Gates placed in the opening stack fixed in line or flat against wall.

Gates placed on face of wall, stack clear of opening.

plan 2B ▶

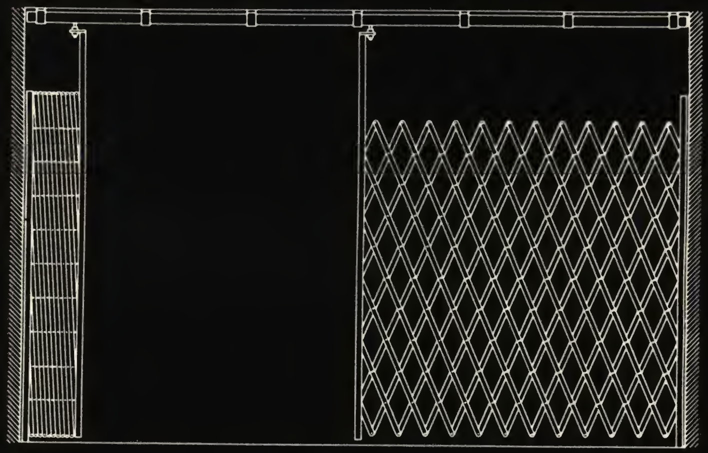
no. 5748D, double, 30′ maximum width
no. 5748S, single, 15′ maximum width

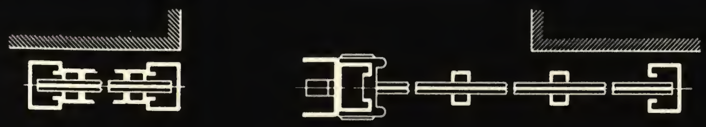
Fixed overhead track. Floor bolts or folding bottom track. Hasp or cylinder lock.



no. 5649, sectional, unlimited width

Permanent overhead track. Gates in sections with padlocking floor bolts. Gates may stack flat against wall or clear of opening.





surface mounted folding gates

Bostwick, 5700 series; Lazy Tong, 5600 series, for use where recessed features are not required.

specifications:

a^{1}—Bostwick

no. 5750—Gate to be no. 5750, as manufactured by Acorn Wire and Iron Works, Inc. Constructed of ¾″ channels spaced vertically not over 6″ o.c. Lattice bars ⅝″ x 3/16″. Fully enclosed end bars. All moving parts fitted with rollers. All cold rolled material. Hasp for padlock or cylinder lock.

no. 5743—Gate to be no. 5743, as manufactured by Acorn Wire and Iron Works, Inc. Constructed of ¾″ channels spaced vertically not over 6″ o.c. Lattice bars ⅝″ x 3/16″. Fully enclosed end bars. All moving parts fitted with rollers. All cold rolled material. Hasp for padlock or cylinder lock.

no. 5748—Gate to be no. 5748, as manufactured by Acorn Wire and Iron Works, Inc. Constructed of ¾″ channels spaced vertically not over 6″ o.c. Lattice bars ⅝″ x 3/16″. Fully enclosed end bars. All moving parts fitted with rollers. All cold rolled material. Hasp for padlock or cylinder lock.

a^{2}—Lazy Tong

note: Gate drops 1½″ per foot in height when extended.

no. 5654—Gate to be no. 5654, as manufactured by Acorn Wire and Iron Works, Inc. Constructed of ¾″ channels riveted back to back not over 6″ o.c. Fully enclosed end bars to receive rollers. All cold rolled material. Hasp for padlock or cylinder lock.

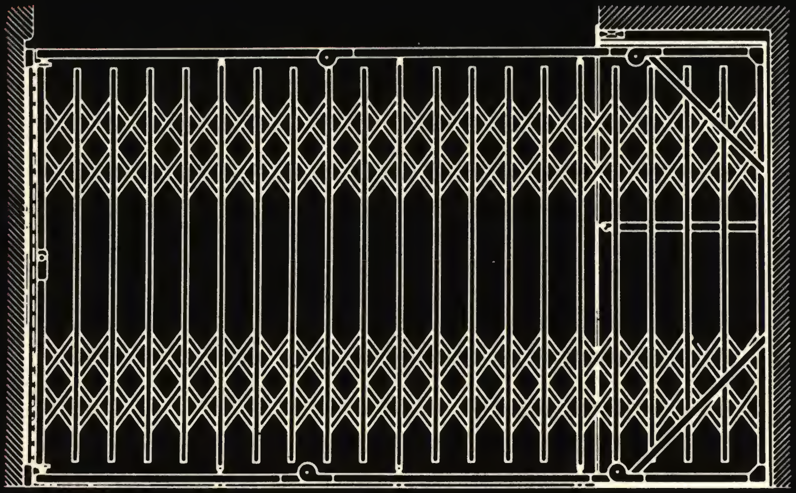
no. 5641—Gate to be no. 5641, as manufactured by Acorn Wire and Iron Works, Inc. Constructed of ¾″ channels riveted back to back not over 6″ o.c. Fully enclosed end bars to receive rollers. All cold rolled material. Hasp for padlock or cylinder lock.

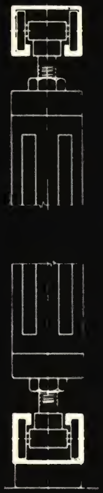
no. 5649—Gate to be no. 5649, as manufactured by Acorn Wire and Iron Works, Inc. Constructed of ¾″ channels riveted back to back not over 6″ o.c. Fully enclosed end bars to receive rollers. All cold rolled material. Hasp for padlock or cylinder lock.

deep cabinet—12′ maximum corridor width

no. 5762S

Single type folding gate. 7′6″ recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold rolled material for better appearance. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system.

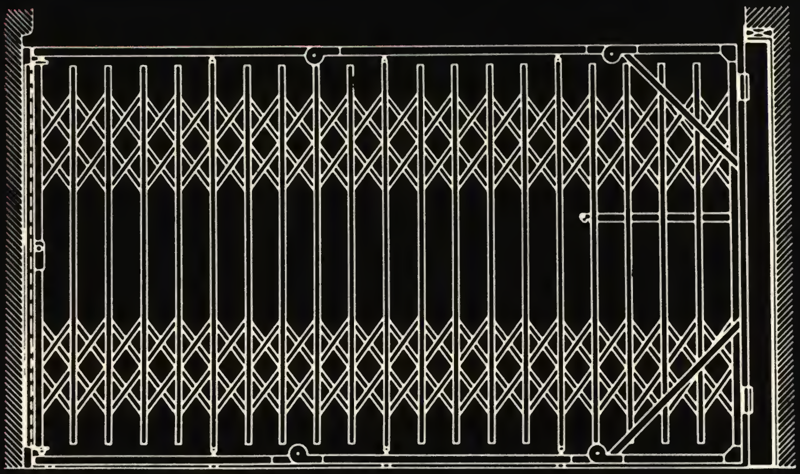


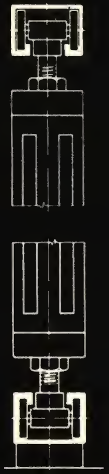


shallow cabinet—14′ maximum corridor width

no. 5761S

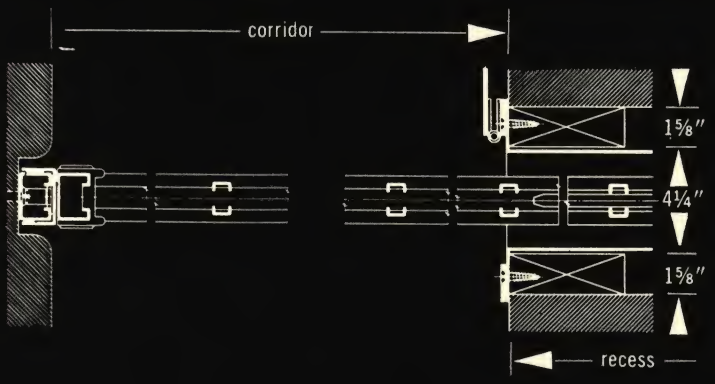
Single type folding gate. 7′6″ recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold rolled material for better appearance. Cabinet door can be closed and locked when gate is in use. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system.





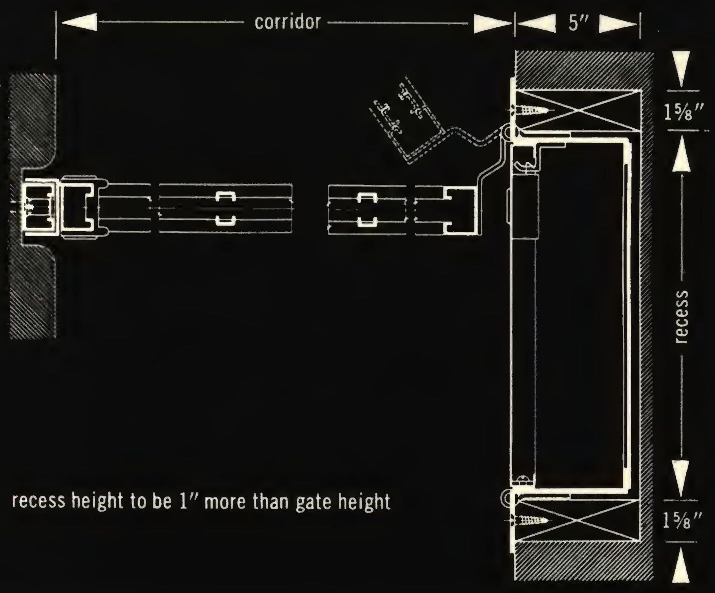
recessed folding gates

corridor [feet]	4	6	8	10	12
recess [inches]	17	21	27½	32	35



recess height to be 1" more than gate height

corridor [feet]	4	6	8	10	12	14
recess [inches]	18	21	24	31	34	37



recess height to be 1" more than gate height

- single type
- hinged top track
- hinged bottom track

specifications:

no. 5762S—Gate to be no. 5762S as manufactured by Acorn Wire and Iron Works, Inc.

_____Vertical members to be two ¾" x ⅜" cold rolled channels spaced not over 6" o.c. Lattice bars ⅝" x $\frac{3}{16}$" cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Hinged top and bottom tracks to have gusset braces in all corners, automatic hold up for top track, rubber floor rests for bottom track. Gate to have self locking tie back arm. Cabinet constructed of 12 gauge formed sheet steel with $\frac{3}{16}$" thick cold rolled facia strips and door. Gate and cabinet locks to have Yale 1$\frac{5}{32}$" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet to have standard factory finish, color as selected.

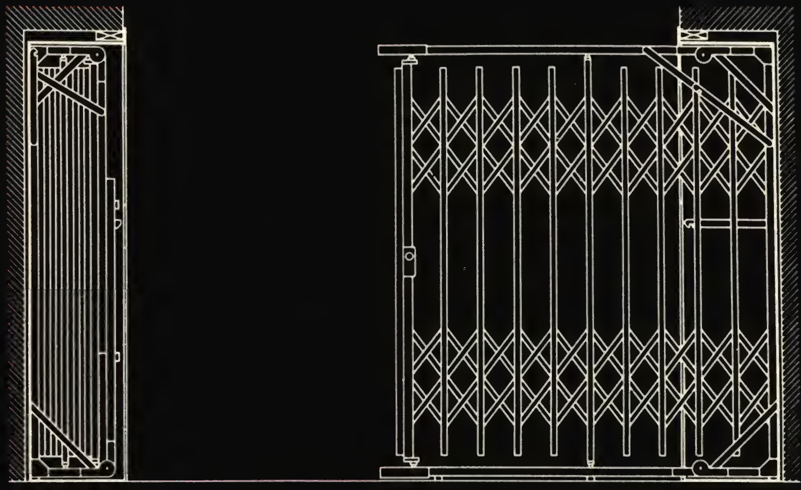
no. 5761S—Gate to be no. 5761S as manufactured by Acorn Wire and Iron Works, Inc.

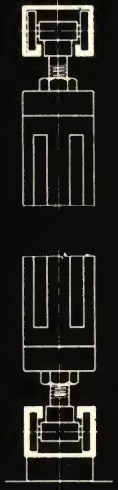
_____Vertical members to be two ¾" x ⅜" cold rolled channels spaced not over 6" o.c. Lattice bars ⅝" x $\frac{3}{16}$" cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Hinged top and bottom tracks to have gusset braces in all corners, automatic hold up for top track, rubber floor rests for bottom track. Gate to have self locking tie back arm. Cabinet constructed of $\frac{3}{16}$" cold rolled Z bar frame with 16 gauge steel back. Flush 16 gauge door to have formed C edges. Gate to have special hinges permitting cabinet door to close and lock when gate is in both stacked and extended position. Gate and cabinet locks to have Yale 1$\frac{5}{32}$" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet to have standard factory finish, color as selected.

deep cabinet—12′ maximum corridor width

no. 5762D

Double type folding gate, 7′6″ recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold rolled material for better appearance. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system.

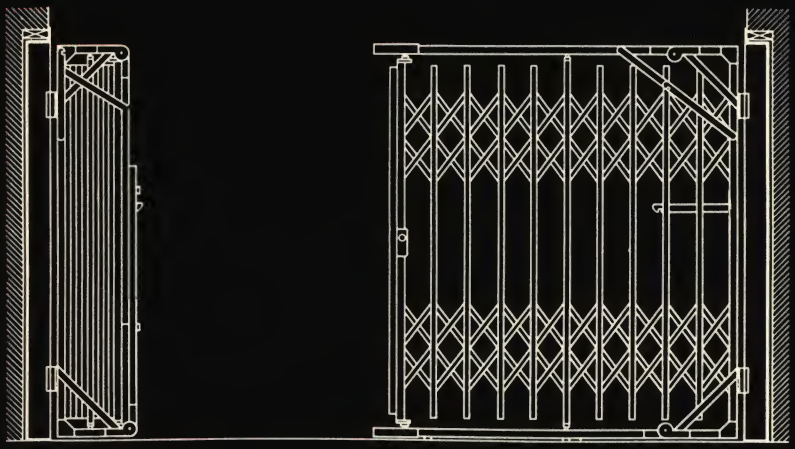


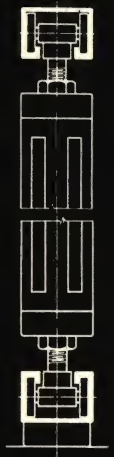


shallow cabinet—16′ maximum corridor width

no. 5761D

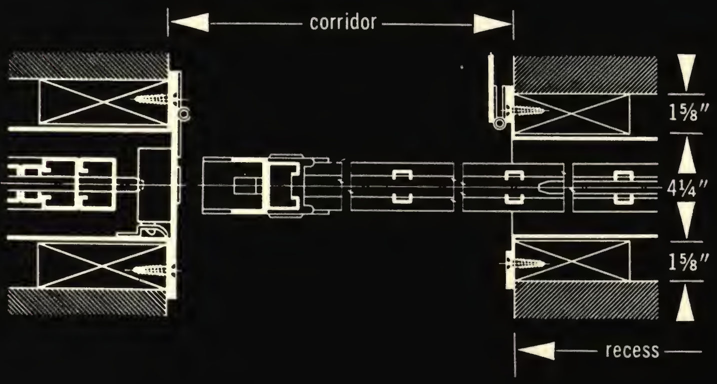
Double type folding gate, 7′6″ recommended maximum height. Hinged top and bottom tracks. Roller bearing construction throughout. All cold rolled material for better appearance. Cabinet doors can be closed and locked when gate is in use. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system.





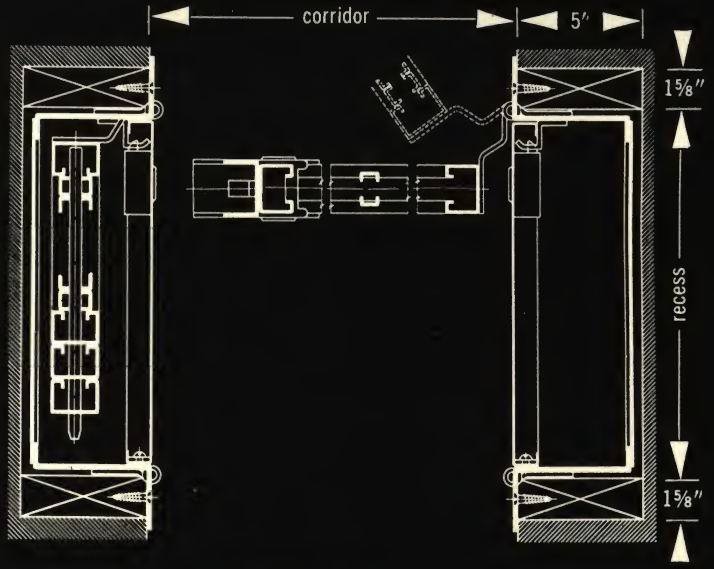
recessed folding gates (cont.)

corridor [feet]	8	9	10	11	12
recess [inches]	18½	19¼	20	20¾	22½



recess height to be 1″ more than gate height

corridor [feet]	8	10	12	14	16
recess [inches]	18	19½	21	23	24½



recess height to be 1″ more than gate height

- double type
- hinged top track
- hinged bottom track

specifications:

no. 5762D–Gate to be no. 5762D as manufactured by Acorn Wire and Iron Works, Inc.

______Vertical members to be two ¾″ x ⅜″ cold rolled channels spaced not over 6″ o.c. Lattice bars ⅝″ x 3⁄16″ cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Hinged top and bottom tracks to have gusset braces in all corners, automatic hold up arms for top tracks, rubber floor rests for bottom tracks. Gate to have self locking tie back arms. Cabinets constructed of 12 gauge formed sheet steel with 3⁄16″ thick cold rolled facia strips and doors. Gate and cabinet locks to have Yale 1 5⁄32″ diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets to have standard factory finish, color as selected.

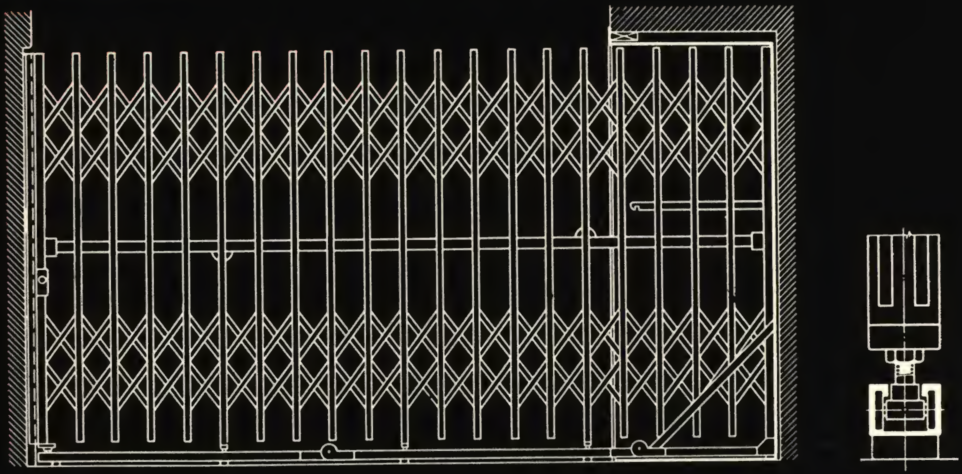
no. 5761D–Gate to be no. 5761D as manufactured by Acorn Wire and Iron Works, Inc.

______Vertical members to be two ¾″ x ⅜″ cold rolled channels spaced not over 6″ o.c. Lattice bars ⅝″ x 3⁄16″ cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Hinged top and bottom tracks to have gusset braces in all corners, automatic hold up arms for top tracks, rubber floor rests for bottom tracks. Gate to have self locking tie back arms. Cabinets constructed of 3⁄16″ cold rolled Z bar frames, with 16 gauge steel backs. Flush 16 gauge doors have formed C edges. Gate to have special hinges permitting cabinet doors to close and lock when gate is in both stacked and extended position. Gate and cabinet locks to have Yale 1 5⁄32″ diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets to have standard factory finish, color as selected.

deep cabinet—12′ maximum corridor width

no. 5764S

Single type folding gate, 7′6″ recommended maximum height. Channel jack-knife brace with malleable iron hinges. Hinged bottom track, except on corridors under 8′ wide. Roller bearing construction throughout. All cold rolled material for better appearance. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system.

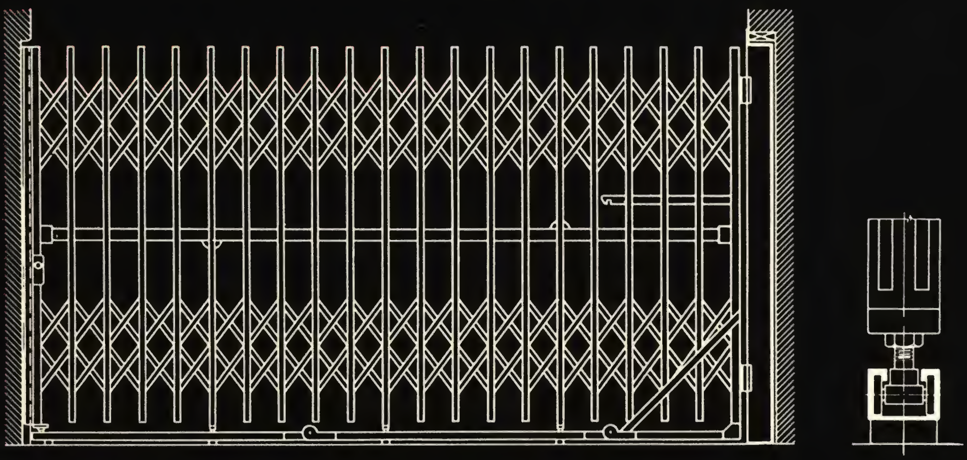


note: Rigid only when fully extended. Operator must guide gate in vertical position while opening or closing

shallow cabinet—12′ maximum corridor width

no. 5763S

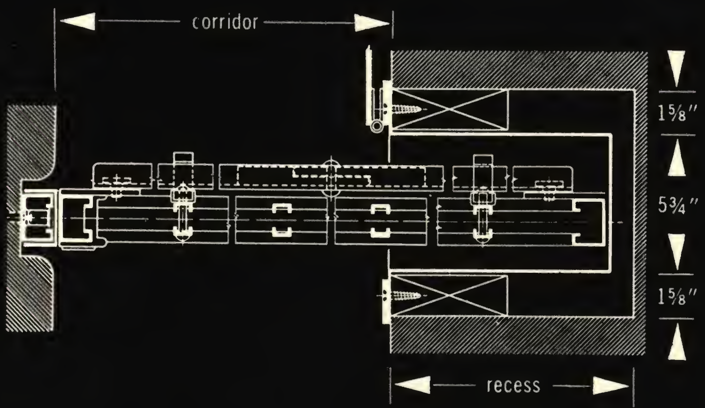
Single type folding gate, 7′-6″ recommended maximum height. Channel jack-knife brace with malleable iron hinges. Hinged bottom track, except on corridors under 10′ wide. Roller bearing construction throughout. Cabinet door can be closed and locked when gate is in use. All cold rolled material for better appearance. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system.



note: Rigid only when fully extended. Operator must guide gate in vertical position while opening or closing

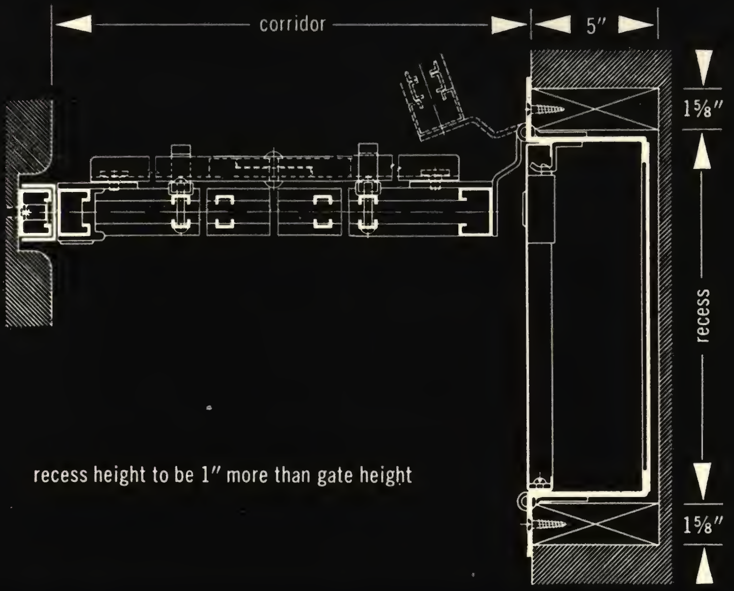
recessed folding gates (cont.)

corridor [feet]	6	7	8	9	10	11	12
recess [inches]	19½	21	26	27½	29	32½	34



recess height to be 1" more than gate height

corridor [feet]	6	7	8	9	10	11	12
recess [inches]	17½	19	20½	22	27½	29¼	31



recess height to be 1" more than gate height

- single type
- without top track
- hinged bottom track

specifications:

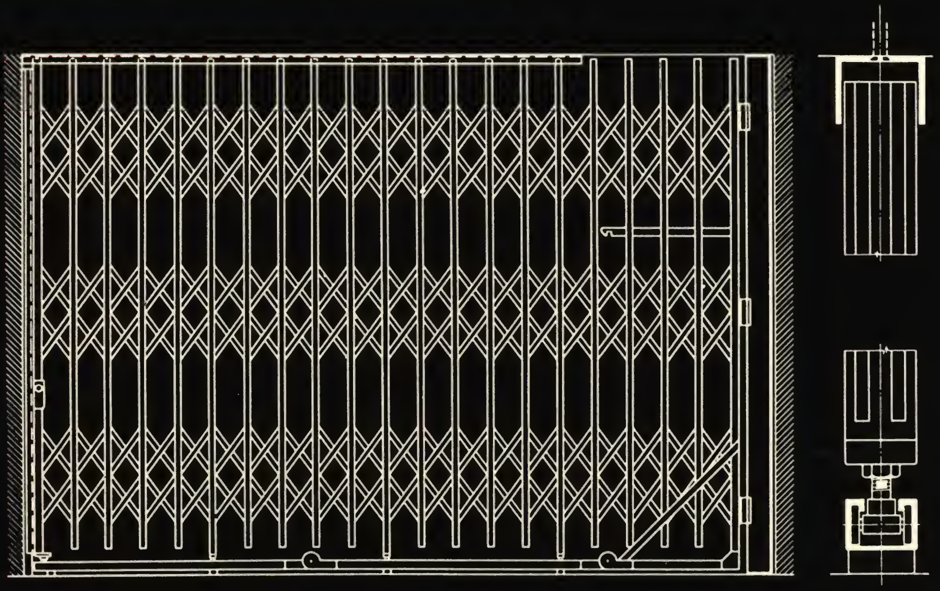
no. 5764S— Gate to be no. 5764S as manufactured by Acorn Wire and Iron Works, Inc. ——Vertical members to be two ¾" x ⅜" cold rolled channels spaced not over 6" o.c. Lattice bars ⅝" x ³⁄₁₆" cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Jack-knife brace to be 2¼" x 1" cold rolled channel. Bottom track to have gusset braces and rubber floor rests. No track for corridors under 8′ wide. Gate to be fitted with self locking tie back arm. Cabinet constructed of 12 gauge formed sheet steel with ³⁄₁₆" thick cold rolled facia strips and door. Gate and cabinet locks to have Yale 1⁵⁄₃₂" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet to have standard factory finish, color as selected.

no. 5763S— Gate to be no. 5763S as manufactured by Acorn Wire and Iron Works, Inc. ——Vertical members to be two ¾" x ⅜" cold rolled channels spaced not over 6" o.c. Lattice bars ⅝" x ³⁄₁₆" cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Jack-knife brace to be 2¼" x 1" cold rolled channel. Bottom track to have gusset braces and rubber floor rests. No track for corridors under 10′ wide. Gate to be fitted with self locking tie back arm. Cabinet constructed of ³⁄₁₆" cold rolled Z bar frame with 16 gauge steel back. Flush 16 gauge door to have formed C edges. Gate to have special hinges permitting cabinet door to close and lock when gate is in both stacked and extended position. Gate and cabinet locks to have Yale 1⁵⁄₃₂" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet to have standard factory finish, color as selected.

shallow cabinet—12′ maximum corridor width

no. 5766S

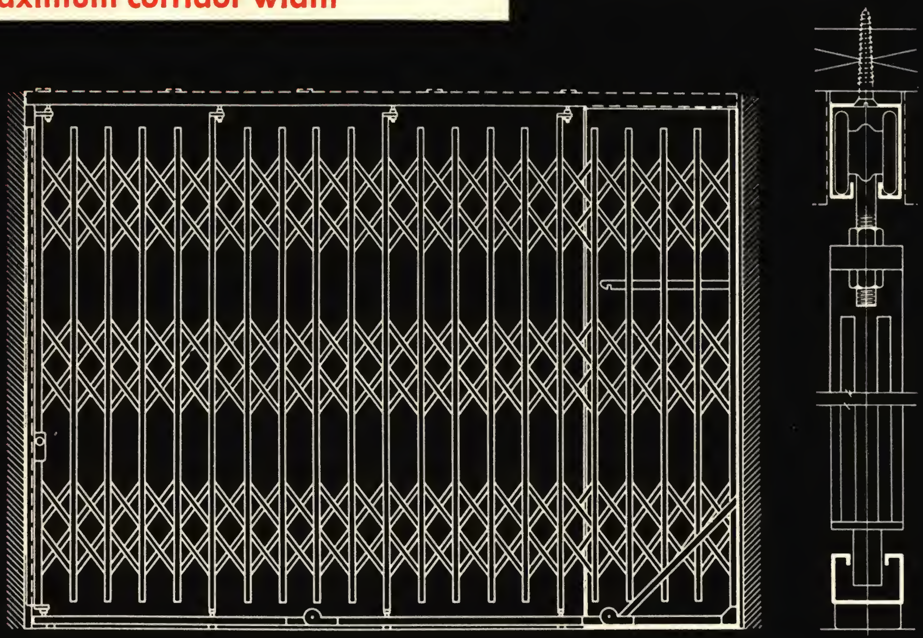
Single type folding gate, full opening height. Over 8′ high, 3 row lattice. Hinged bottom track, permanent overhead guide channel notched at side to permit gate to hinge into cabinet. All roller bearing construction. Cabinet door can be closed and locked when gate is in use. All cold rolled material. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system.



deep cabinet—14′ maximum corridor width

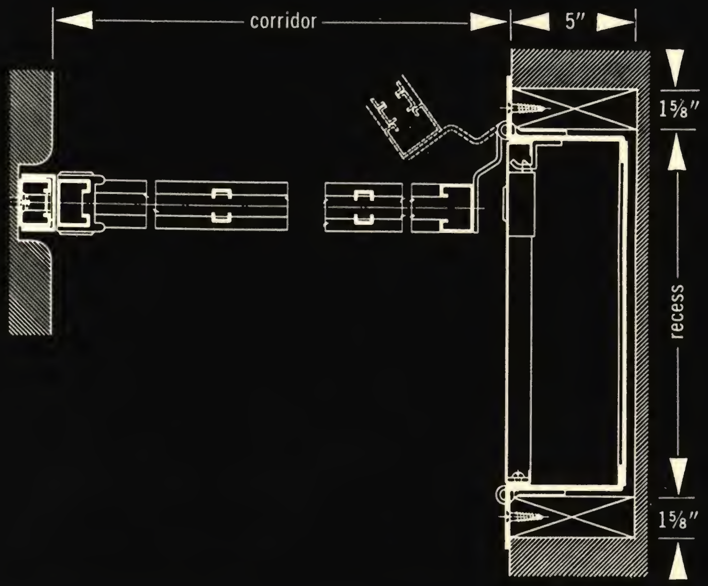
no. 5765S

Single type folding gate, full opening height. Over 8′ high, 3 row lattice. Hinged bottom track, permanent top track recessed into ceiling. Roller bearing construction for easy operation. All cold rolled material for better appearance. Cylinder locks on gate and cabinet keyed regular or master-keyed to building system.

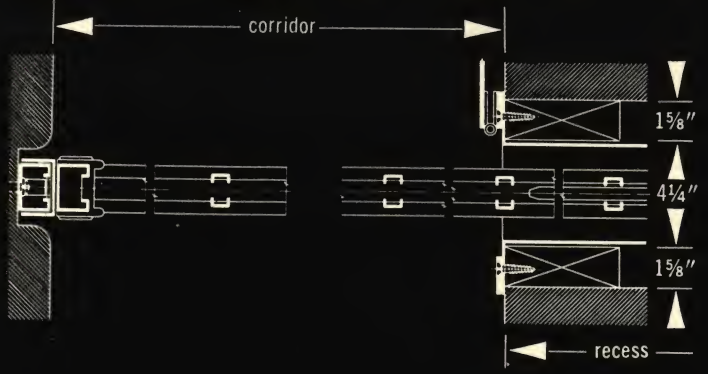


recessed folding gates (cont.)

corridor [feet]	6	8	10	12
recess [inches]	19¾	23¼	27½	31



corridor [feet]	6	8	10	12	14
recess [inches]	21¼	26	30	33	37



- single type
- fixed top track
- hinged bottom track

specifications:

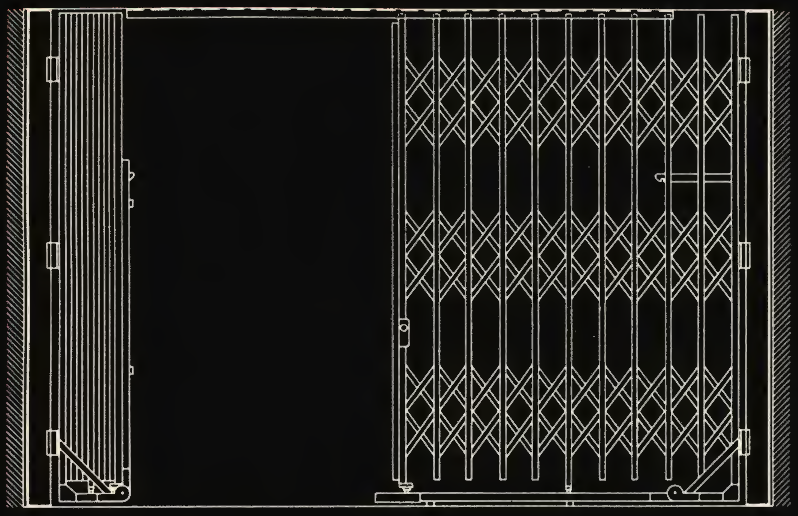
no. 5766S—Gate to be no. 5766S as manufactured by Acorn Wire and Iron Works, Inc. ______Vertical members to be two ¾″ x ⅜″ cold rolled channels spaced not over 6″ o.c. Lattice bars ⅝″ x 3/16″ cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Top guide to be 2⅜″ x 2¼″ channel. Bottom track to have gusset braces and rubber floor rests. Gate to be fitted with self locking tie back arm. Cabinet constructed of 3/16″ cold rolled Z bar frame with 16 gauge steel back. Flush 16 gauge door to have formed C edges. Gate to have special hinges permitting cabinet door to close and lock when gate is in both stacked and extended position. Gate and cabinet locks to have Yale 1 5/32″ diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet to have standard factory finish, color as selected.

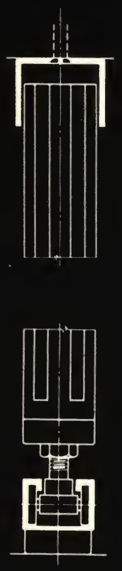
no. 5765S—Gate to be no. 5765S as manufactured by Acorn Wire and Iron Works, Inc. ______Vertical members to be two ¾″ x ⅜″ cold rolled channels spaced not over 6″ o.c. Lattice bars ⅝″ x 3/16″ cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Top track to be 14 gauge box type section to receive roller bearing hangers. Bottom track to have gusset braces and rubber floor rests. Gate to be fitted with self locking tie back arm. Cabinet constructed of 12 gauge formed sheet steel with 3/16″ thick cold rolled facia strips and door. Gate and cabinet locks to have Yale 1 5/32″ diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinet to have standard factory finish, color as selected.

shallow cabinet—20′ maximum corridor width

no. 5766D

Double type folding gate, full opening height. Over 8′ high, 3 row lattice. Hinged bottom tracks, permanent overhead guide channel notched at ends to permit gates to hinge into cabinets. All roller bearing construction. Cabinet doors can be closed and locked when gate is in use. All cold rolled material. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system.

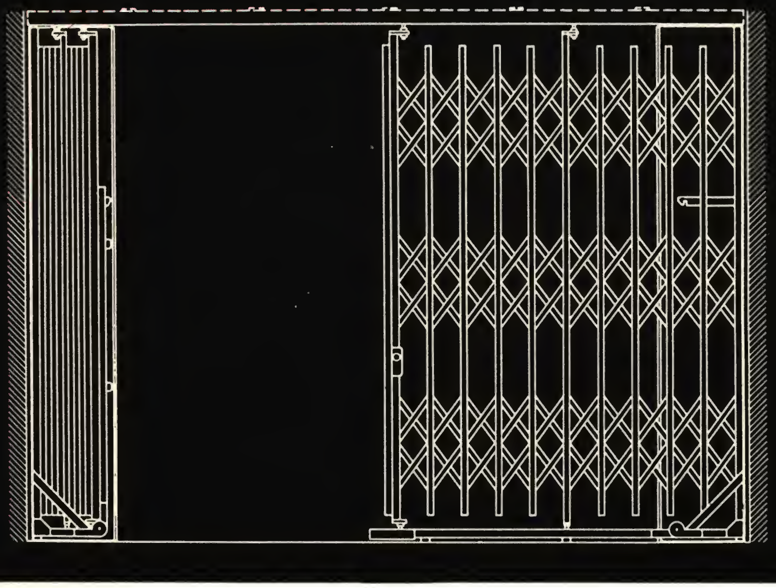


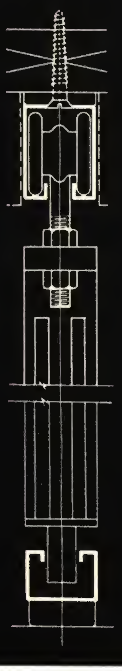


deep cabinet—24′ maximum corridor width

no. 5765D

Double type folding gate, full opening height. Over 8′ high, 3 row lattice. Hinged bottom tracks, permanent top track recessed into ceiling. Roller bearing construction for easy operation. All cold rolled material for better appearance. Cylinder locks on gate and cabinets keyed regular or master-keyed to building system.

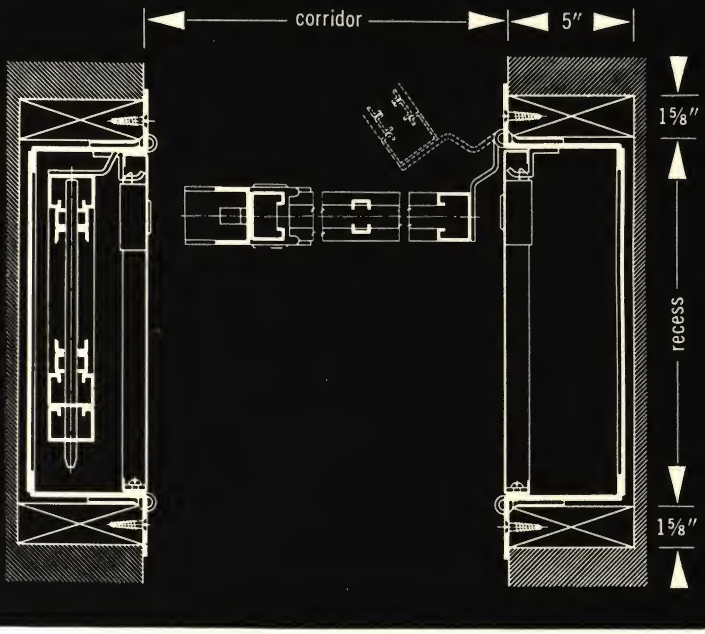




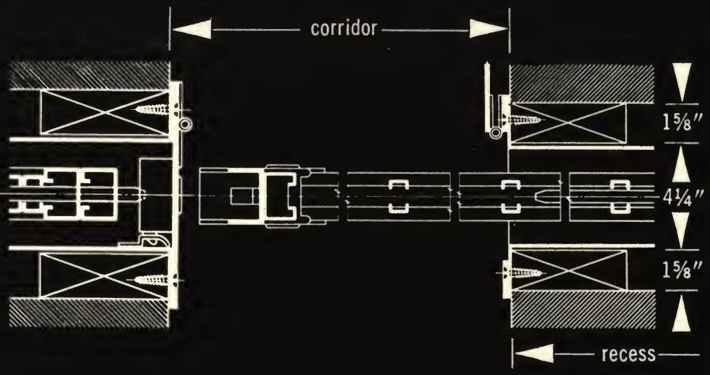
recessed folding gates (cont.)

- double type
- fixed top track
- hinged bottom track

corridor [feet]	8	10	12	14	16	18	20
recess [inches]	16¾	18¼	19¾	21¾	23¼	24¾	26½



corridor [feet]	8	10	12	14	16	18	20	22	24
recess [inches]	17¼	18¾	21¼	22¾	26	27½	30	31½	34



specifications:

no. 5766D—Gate to be no. 5766D as manufactured by Acorn Wire and Iron Works, Inc. ———Vertical members to be two ¾" x ⅜" cold rolled channels spaced not over 6" o.c. Lattice bars ⅝" x 3/16" cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Top guide to be 2⅜" x 2¼" channel. Bottom tracks to have gusset braces in all corners and rubber floor rests. Gate to be fitted with self locking tie back arms. Cabinets constructed of 3/16" cold rolled Z bar frames with 16 gauge steel backs. Flush 16 gauge doors to have formed C edges. Gate to have special hinges permitting cabinet doors to close and lock when gate is in both stacked and extended position. Gate and cabinet locks to have Yale 1 5/32" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets to have standard factory finish, color as selected.

no. 5765D—Gate to be no. 5765D as manufactured by Acorn Wire and Iron Works, Inc. ———Vertical members to be two ¾" x ⅜" cold rolled channels spaced not over 6" o.c. Lattice bars ⅝" x 3/16" cold rolled flat steel. Vertical end bars to be cold rolled box type sections to receive roller bearings and cylinder lock. All moving parts to be fitted with rollers. Top track to be 14 gauge box type section to receive roller bearing hangers. Bottom tracks to have gusset braces in all corners and rubber floor rests. Gate to be fitted with self locking tie back arms. Cabinets constructed of 12 gauge formed sheet steel with 3/16" thick cold rolled facia strips and doors. Gate and cabinet locks to have Yale 1 5/32" diameter 5 pin tumbler mortise cylinders keyed alike, or master-keyed to building system. Gate and cabinets to have standard factory finish, color as selected.

installations

New Mesa High School	Phoenix, Arizona
University Hill Jr. H. S.	Boulder, Colorado
Berlin High School	Berlin, Connecticut
Willard-Belltown School	Stamford, Connecticut
Sun Oil Co. Stations	State of Florida
Herbert Hoover School	Mason City, Iowa
Williams Elementary School	Chicago, Illinois
Curtis School	Wichita, Kansas
Custom Parking Co.	Baltimore, Maryland
Villa Cresta Elementary School	Baltimore, Maryland
South Jr. High School	Pittsfield, Massachusetts
Southfield High School	Detroit, Michigan
High School	Sleepy Eye, Minnesota
High School	Rolling Fork, Mississippi
Canastota Central School	Canastota, New York
Shenendehowa	Clifton Park, New York
Ohio State University	Columbus,Ohio
Pierce School	Hamilton, Ohio
Oklahoma City Public Library	Oklahoma City, Oklahoma
Springfield School	Springfield, Oregon
Downey Elementary School	Harrisburg, Pennsylvania
United States Gypsum Co.	Philadelphia, Pennsylvania
Warminster School	Philadelphia, Pennsylvania
Jefferson Davis School	Dallas, Texas
West Jordan School	Salt Lake City, Utah
Elementary School	Rutland, Vermont
Fairfax High School	Alexandria, Virginia
Atomic Energy Commission	Hanford, Washington
St. Mary's School	Platteville, Wisconsin
Churchill School	Cheyenne, Wyoming

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